

SECTION 201 – SUBGRADE MODIFICATION

1. GENERAL

This work shall consist of constructing one or more courses of crushed stone (includes crushed concrete) or a mixture of soil, fly ash or lime, and water as a subgrade for the specified pavement section. All materials, equipment and construction shall conform to the latest version of Section 301, 302, 303, and 304 of the Kansas Department of Transportation (KDOT) Standard Specifications. However, pebble quicklime may be dumped and spread in a dry state rather than hydrated with the same application criteria for fly ash construction.

The Contractor shall make every reasonable attempt to utilize the most suitable material on-site, for preparation of the areas to receive subgrade modification. Prior to constructing grades in these areas, the Contractor shall conduct soil sampling and laboratory testing to determine the application rate of the additive that will be required. The amount of material and required moisture content to be used for modification shall be established by a certified laboratory with tests on the site materials and specific material to be supplied by the Contractor. For estimating purposes and based on experience with similar cohesive soils, the City anticipates application rates for fly ash near 15 percent or hydrated lime near 5 percent based on dry weight of the soil.

2. MEASUREMENT AND PAYMENT

Payment for this work shall be made at the contract square yard price for “Subgrade Modification.” If crushed stone is used, the unit price shall also include the cost to remove and dispose of excess soil below finish subgrade elevation. No separate payment will be made for water required for subgrade treatment.